

# CUNNINGHAM WATER TANK (WATER TANK NO. 1) REPLACEMENT PROJECT

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Council Meeting

September 10, 2019

**Jimmy Tan, P.E.**

**Public Works Director**



# Agenda

- Background
- Project Status
- Consultant Selection
- Scope of Work, Schedule and Budget
- Alternatives
- Recommendations

# Background

- City's Water Distribution System
  - Pressure Zones: 11
  - Distribution Pipelines: Approximately 120 miles
  - Connections to SFPUC System: 4
  - Storage Tanks: 8
  - Pump Stations: 8
  - Pressure Regulating Stations: 26
  - Groundwater Wells: 4 active
- Completed Water Master Plan in 2012
  - Identified replacement of Cunningham Water Tank (Water Tank No. 1)

# Project Location



# Cunningham Water Tank (Water Tank No. 1)

- **Constructed:** 1964
- **Capacity:** 2.5 million gallons (unable to use full capacity)
- **Existing Tank Material:** Steel
- **New Tank Material:** Pre-stressed concrete



# Project Status

- Completed Final Design
- Recommending constructability review prior to advertisement of bid
  - Avoid delays caused by construction documents errors
  - Reduces the amount of change orders
  - Provides the ability to plan ahead for construction
- Advertise for bid after incorporation of final comments
- Award Construction Contract
- Perform construction management and inspection of project

# Consultant Selection

- Issued Request for Proposal in June 2019
- Received six proposals
- Evaluated proposals based on criteria:
  - Project understanding and approach
  - Qualifications and experience of project manager and team
  - Qualifications relating to design, construction management and inspection of water tanks
  - Completion of similar projects for public agencies
  - Manpower labor effort to effectively and efficiently complete the project
- Recommending award of design contract to Consolidated CM

# Scope of Work and Schedule

- **Scope of Work**

- Perform constructability review
- Oversee construction activities
- Perform daily inspection during construction
- Coordinate with City and Contractor to ensure successful complete of project

- **Schedule**

- Design Review and Bid Phase: Complete by Spring 2020
- Construction Phase: Begin Summer 2020

- **Budget**

- \$8,976,796 available in FY 2019-20
- No additional appropriation required

# Alternatives

1. Direct further review of submitted proposals for selection of different firm from the current proposals.
2. Request staff to issue a new request for proposal.

# Recommendation

- Adopt Resolution Authorizing the City Manager to Execute an Agreement with Consolidated CM, Inc. to Provide Construction Management and Inspection Services for the Cunningham Water Tank (Water Tank No. 1) Replacement Project in an Amount Not to Exceed \$564,000

Questions?